

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on December 13, 2006.

*Renne M.F. Wyzykowski*  
Renne M.F. Wyzykowski

Applicant : John S. Wang, et al. Confirmation. 8686  
Application No. : 09/955,278  
Filed : September 11, 2001  
Title : METHOD AND APPARATUS FOR IMPROVED HIGH-SPEED  
ADAPTIVE EQUALIZATION  
Grp./Div. : 2611  
Examiner : Temesghen Ghebretinsae  
Customer No. : 23363  
Docket No. : 56806/V165

INFORMATION DISCLOSURE STATEMENT WITH FEE  
UNDER 37 CFR §§ 1.97(c) AND 1.17(p)

Mail Stop AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Post Office Box 7068  
Pasadena, CA 91109-7068  
December 13, 2006

Commissioner:

In compliance with the duty of disclosure under 37 CFR §§ 1.56, 1.97 and 1.98, and in accordance with the provisions in the Manual of Patent Examining Procedure §§ 609 and 707.05(b), enclosed is FORM PTO/SB/08A/B listing the references that are known to applicant. Copies of each of the listed references are enclosed.

It is respectfully requested that the listed references be considered in the examination of this application and identified on the list of references cited on the patent issuing for this application. Applicant also requests that an initialed copy of FORM PTO/SB/08A/B be entered in the application file and returned to applicant with the next communication from the Office in accordance with MPEP § 609.

12/19/2006 HEUTEHA1 00000014 09955278

01 FC:1806

180.00 OP

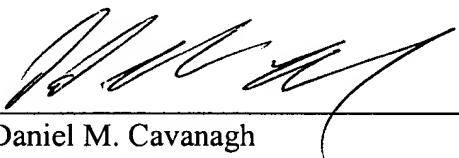
3

**Application No. 09/955,278**

Enclosed is the processing fee of \$180 as required by 37 CFR § 1.17(p). The Commissioner is hereby authorized to charge any fees which may be required by this paper to Deposit Account No. 03-1728. Please show our docket number with any Deposit Account transaction. **A copy of this paper is enclosed.**

Respectfully submitted,

CHRISTIE, PARKER & HALE, LLP

By 

Daniel M. Cavanagh

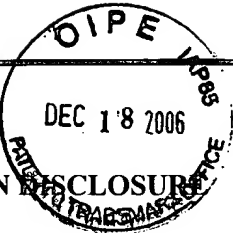
Reg. No. 41,661

626/795-9900

DMC/rmw

Enclosures: Check \$180  
Copy of this paper  
Copy of IDS  
Form PTO/SB/08A/B, w/references

RMW IRV1102083.1-\*-12/13/06 9:10 AM

|  |  |  |                               |                        |
|--|--|--|-------------------------------|------------------------|
| FORM PTO/SB/08A/B (10-01)<br>Substitute for PTO-1449A/B<br><br><b>INFORMATION DISCLOSURE</b><br><br><b>STATEMENT BY APPLICANT</b><br><br>(use as many sheets as necessary) |  |  | <b>Attorney Docket Number</b> | <b>56806/V165</b>      |
|  |  |  | Application Number            | 09/955,278             |
|  |  |  | Filing Date                   | September 11, 2001     |
|  |  |  | Applicant(s)                  | John S. Wang, et al.   |
|  |  |  | Group Art Unit                | 2611                   |
|  |  |  | Examiner Name                 | Temesghen Ghebretinsae |

| U.S. PATENT DOCUMENTS |                       |   |                                |                  |
|-----------------------|-----------------------|---|--------------------------------|------------------|
| EXAMINER INITIALS     | Cite No. <sup>1</sup> | DOCUMENT NUMBER<br>Number - Kind Code <sup>2</sup> (If Known) | PUBLICATION DATE<br>MM-DD-YYYY | NAME OF PATENTEE |
|                       |                       |   |                                |                  |

| FOREIGN PATENT DOCUMENTS |                       |   |                                |  |                       |
|--------------------------|-----------------------|---|--------------------------------|--|-----------------------|
| EXAMINER INITIALS        | Cite No. <sup>1</sup> | Foreign Patent Document<br>Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup><br>(If Known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | T <sup>6</sup><br>(✓) |
|                          |                       |   |                                |  |                       |

| OTHER DOCUMENTS   |                       |  |
|-------------------|-----------------------|--|
| EXAMINER INITIALS | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.                             |
|                   |                       | Voorman, Snijder, Vromans, and Barth, "An Automatic Equalizer for Echo Reduction in TeleText on a Single Chip," <i>Philips Technical Review</i> , Vol. 40, No. 11/12, 1982 (p. 319-328).   |
|                   |                       | Borjak, Monteiro, O'Reilly, and Darwazeh, "High-Speed Generalized Distributed-Amplifier-Based Transversal-Filter Topology for Optical Communication Systems," <i>IEEE Transactions on Microwave Theory and Techniques</i> , Vol. 45, No. 8, August 1997, (p. 1453-1457). |
|                   |                       | Kaminow, Koch "Optical Fiber Telecommunications IIIA," Academic Press 1997, (p. 114-161, cover pages and contents pages 8 pgs).  |
|                   |                       |  |

RMW IRV1102084.1-\* -12/6/06 1:32 PM

|  |  |                 |  |
|--|--|-----------------|--|
| EXAMINER SIGNATURE   |  | DATE CONSIDERED |  |
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="http://www.pto.gov">www.pto.gov</a> or MPEP 901.4. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English Language Translation is attached. |  |                 |  |

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE